

PATENT ABSTRACTS OF JAPAN

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(54) PRODUCTION OF RESIN FOR TONER

(57)Abstract:

PURPOSE: To enhance low-temperature fixability, and resistances to offset and blocking by mixing a specified cross-linked polyester with a specified straight-chain polyester at a specified temperature.

CONSTITUTION: The resin to be used for the toner is produced by mixing 100pts. wt. of the cross-linked polyester (A) having a glass transition point of $\geq 50^{\circ}$ C and a softening point of $\geq 200^{\circ}$ C with 0.5W80pts.wt. of the straight chain polyester (B) having a softening point of $\leq 150^{\circ}$ C and a weight average molecular weight of 3,000W50,000 at a temperature of said softening point of the polyester (B) W230 $^{\circ}$ C. It is preferred that a polycondensate of a mixture of terephthalic acid and isophthalic acid, and ethylene glycol is used for the polyester (B), and a polycondensate of a mixture of trimellitic acid, terephthalic acid, and isophthalic acid, and ethylene glycol and/or aromatic diol, or the like is used for the polyester (A).

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